

Project Name: Rhynie Soil Survey
Project Code: Rhynie **Site ID:** A1282 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	N.J. McKenzie	Locality:	
Date Desc.:	01/06/89	Elevation:	No Data
Map Ref.:	Sheet No. : 6629-18 1:10000	Rainfall:	No Data
Northing/Long.:	6216590 AMG zone: 54	Runoff:	No Data
Easting/Lat.:	289820 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	Undisturbed soil core	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	No Data	Slope Category:	No Data
Slope:	%	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.1 m	Dark brown (7.5YR3/4-Moist); Light brown (7.5YR6/4-Dry); ; Silty loam; Weak grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Dry; Firm consistence; Field pH 7 (Raupach); Clear change to -
A12	0.1 - 0.2 m	Dark reddish brown (5YR3/3-Moist); Reddish brown (5YR5/4-Dry); , 5YR34, 2-10% , 5-15mm, Faint; Clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, subangular tabular, dispersed, Shale, coarse fragments; Field pH 7 (Raupach); Clear change to -
B21	0.2 - 0.3 m	Dark reddish brown (2.5YR3/3-Moist); , 2.5YR34, 2-10% , 5-15mm, Faint; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; Many cutans, >50% of ped faces or walls coated, prominent; Field pH 7
B21	0.3 - 0.33 m	Dark reddish brown (2.5YR3/3-Moist); , 2.5YR34, 2-10% , 5-15mm, Faint; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; Many cutans, >50% of ped faces or walls coated, prominent; Field pH 7 (Raupach); Gradual change to -
B22	0.33 - 0.4 m	Dark reddish brown (2.5YR3/3-Moist); , 2.5YR44, 10-20% , 15-30mm, Distinct; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; 20-50%, coarse gravelly, 20-60mm, angular platy, undisturbed, Shale, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 8.5 (Raupach);
B22	0.4 - 0.45 m	Dark reddish brown (2.5YR3/3-Moist); , 2.5YR44, 10-20% , 15-30mm, Distinct; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; 20-50%, coarse gravelly, 20-60mm, angular platy, undisturbed, Shale, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Field pH 8.5 (Raupach); Clear change to -
B3	0.45 - 0.5 m	Red (2.5YR4/6-Moist); , 5YR48, 20-50% , 0-5mm, Distinct; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Rough-ped fabric; Dry; Very strong consistence; 50-90%, coarse gravelly, 20-60mm, angular platy, undisturbed, Shale, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct; Field pH 8.5 (Raupach);

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B3	0.5 - 0.6 m	Red (2.5YR4/6-Moist); , 5YR48, 20-50% , 0-5mm, Distinct; Medium heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Rough-ped fabric; Dry; Very strong consistence; 50-90%, coarse gravelly, 20-60mm, angular platy, undisturbed, Shale, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct; Field pH 8.5 (Raupach); Field pH 8.5 (Raupach); Gradual change to -
R	0.6 - m	Rock

Morphological Notes

A11 shallow RBE of WFS crests. Moderate sorptivity, lots of WFS

Observation Notes

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Laboratory Analyses Completed for this profile